

**USH 41: STH 60 TO USH 45 (WASHINGTON COUNTY)  
CONTINUOUS (24 HOUR) CLOSURE  
DIVERSION ROUTE: PIONEER RD - STH 175 - STH 164 - STH 60**

**MAY**  
Analyzed for 2009  
Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN ROUTE		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	175	0.0	19	0.0	1500	175	0	19	0.44	0	66.1	59.1	44.8	24.7	24.7
1-2 AM	134	0.0	14	0.0	1500	134	0	14	0.44	0	66.1	59.2	45.0	24.7	24.7
2-3 AM	101	0.0	10	0.0	1500	101	0	10	0.43	0	66.2	59.3	45.1	24.8	24.8
3-4 AM	103	0.0	11	0.0	1500	103	0	11	0.43	0	66.2	59.3	45.1	24.8	24.8
4-5 AM	127	0.0	13	0.0	1500	127	0	13	0.43	0	66.1	59.2	45.0	24.7	24.7
5-6 AM	202	0.0	22	0.0	1500	202	0	22	0.44	0	66.0	59.0	44.6	24.7	24.7
6-7 AM	286	0.0	31	0.0	1500	286	0	31	0.45	0	65.8	58.7	44.3	24.6	24.6
7-8 AM	540	0.0	58	0.0	1500	540	0	58	0.47	0	65.4	58.1	43.3	24.4	24.4
8-9 AM	849	0.0	91	0.0	1500	849	0	91	0.50	0	64.8	57.2	42.2	24.2	24.2
9-10 AM	1449	0.0	155	0.0	1499	1449	0	155	1.27	11	63.7	47.9	33.1	23.7	23.7
10-11 AM	2009	0.0	215	0.0	1500	1815	195	410	8.99	239	62.7	19.1	30.8	23.2	21.7
11A-NOON	2160	0.0	231	0.0	1499	1525	635	865	14.83	374	62.3	13.1	30.8	23.1	18.2
NOON-1PM	2282	0.0	244	0.0	1500	1527	756	1000	15.94	404	62.2	12.4	30.8	23.0	17.2
1-2 PM	2247	0.0	240	0.0	1499	1491	756	996	15.91	403	62.2	12.4	30.8	23.0	17.2
2-3 PM	2390	0.0	255	0.0	1500	1541	849	1104	16.90	431	61.9	11.8	30.8	22.9	16.4
3-4 PM	2412	0.0	258	0.0	1499	1509	903	1162	17.47	446	61.8	11.5	30.8	22.9	15.9
4-5 PM	2592	0.0	277	0.0	1500	1553	1039	1316+	19.08	493	59.9	10.6	30.8	22.7	14.8
5-6 PM	2360	0.0	252	0.0	1499	1412	949	1201+	17.90	458	62.0	11.2	30.8	22.9	15.6
6-7 PM	2024	0.0	216	0.0	1500	1414	610	826	14.54	367	62.6	13.3	30.8	23.2	18.5
7-8 PM	1676	0.0	179	0.0	1500	1436	240	419	11.91	295	63.3	15.6	30.8	23.5	21.6
8-9 PM	1198	0.0	129	0.0	1499	1198	0	129	4.96	145	64.1	27.9	34.5	23.8	23.8
9-10 PM	846	0.0	91	0.0	1500	846	0	91	0.50	0	64.8	57.2	42.2	24.2	24.2
10-11 PM	485	0.0	51	0.0	1500	485	0	51	0.47	0	65.5	58.2	43.6	24.5	24.5
11PM-MID	245	0.0	26	0.0	1500	245	0	26	0.45	0	66.0	58.9	44.5	24.7	24.7

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0189
MAIN ROUTE WITH WORKS	0.0129
DIVERSION	0.0671

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$106,256
CONGESTED HOURS PER DAY*	6

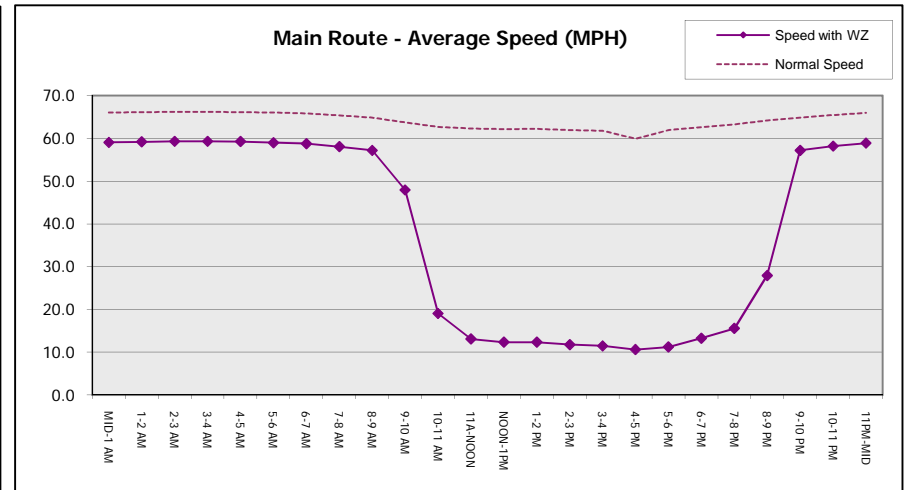
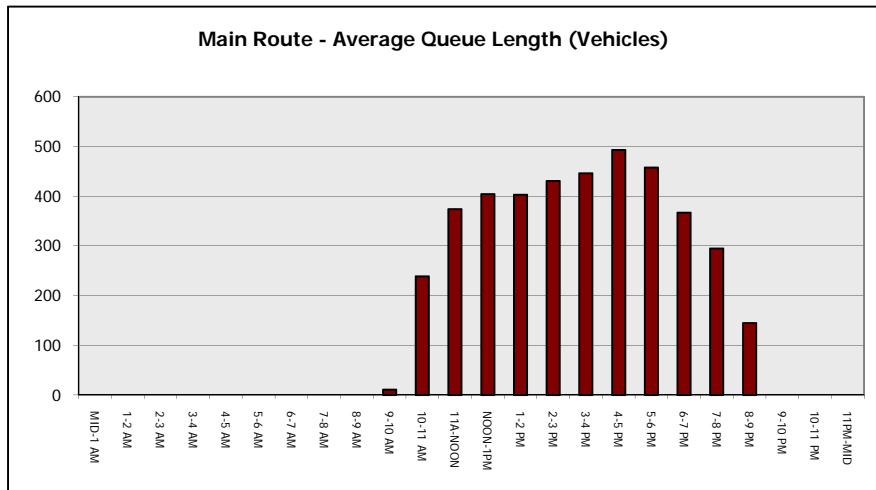
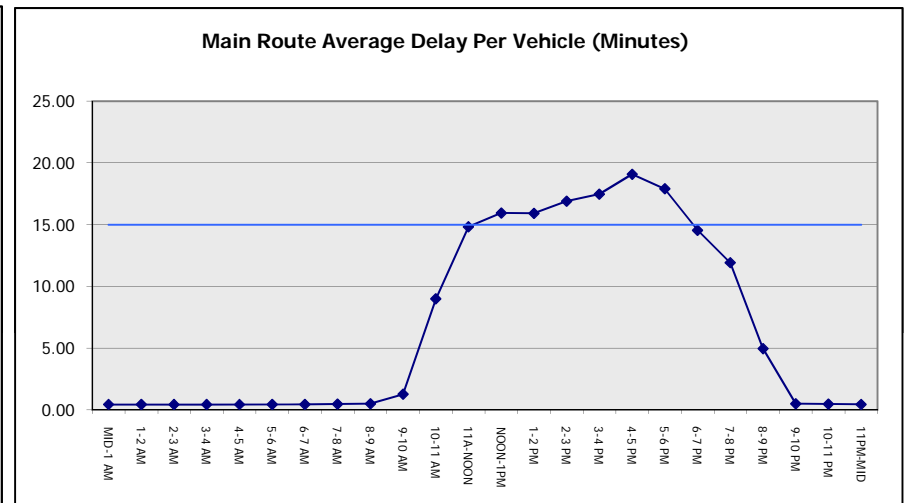
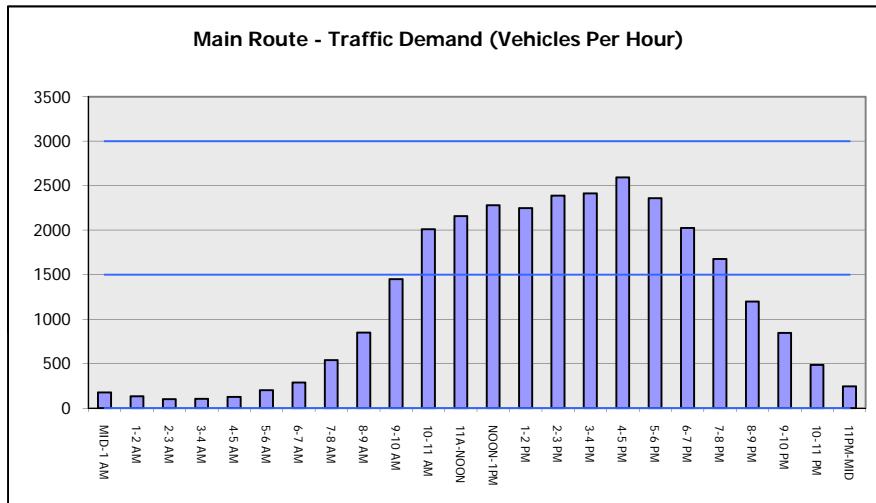
\*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: PIONEER RD - STH 175 - STH 164 - STH 60**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SUNDAY SOUTHBOUND DIRECTION**



<b>USH 41: STH 60 TO USH 45 (WASHINGTON COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  DIVERSION ROUTE: PIONEER RD - STH 175 - STH 164 - STH 60</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	187	0.0	20	0.0	1500	187	0	20	0.44	0	66.0	59.1	44.7	24.7	24.7
1-2 AM	117	0.0	12	0.0	1500	117	0	12	0.43	0	66.1	59.2	45.0	24.7	24.7
2-3 AM	96	0.0	10	0.0	1500	96	0	10	0.43	0	66.2	59.3	45.1	24.8	24.8
3-4 AM	78	0.0	8	0.0	1500	78	0	8	0.43	0	66.3	59.4	45.2	24.8	24.8
4-5 AM	99	0.0	10	0.0	1500	99	0	10	0.43	0	66.2	59.3	45.1	24.8	24.8
5-6 AM	169	0.0	19	0.0	1500	169	0	19	0.44	0	66.1	59.1	44.8	24.7	24.7
6-7 AM	379	0.0	40	0.0	1500	379	0	40	0.46	0	65.7	58.5	44.0	24.5	24.5
7-8 AM	577	0.0	62	0.0	1500	577	0	62	0.48	0	65.3	57.9	43.2	24.3	24.3
8-9 AM	921	0.0	99	0.0	1500	921	0	99	0.51	0	64.6	57.0	42.0	24.1	24.1
9-10 AM	1185	0.0	127	0.0	1500	1185	0	127	0.62	0	64.1	55.3	38.9	23.8	23.8
10-11 AM	1434	0.0	153	0.0	1499	1434	0	153	0.94	0	63.7	51.2	32.2	23.7	23.7
11A-NOON	1549	0.0	166	0.0	1499	1549	0	166	1.81	22	63.5	43.2	30.8	23.6	23.6
NOON-1PM	1506	0.0	161	0.0	1499	1506	0	161	3.19	58	63.6	34.8	30.8	23.6	23.6
1-2 PM	1355	0.0	145	0.0	1500	1355	0	145	1.25	12	63.8	48.2	33.5	23.7	23.7
2-3 PM	1352	0.0	144	0.0	1499	1352	0	144	0.83	0	63.8	52.5	34.2	23.7	23.7
3-4 PM	1525	0.0	163	0.0	1499	1525	0	163	1.33	9	63.5	47.3	31.1	23.6	23.6
4-5 PM	1753	0.0	187	0.0	1500	1753	0	187	6.33	158	63.1	24.0	30.8	23.4	23.4
5-6 PM	1680	0.0	180	0.0	1499	1487	193	373	11.66	287	63.3	15.8	30.8	23.5	22.0
6-7 PM	1346	0.0	144	0.0	1499	1336	10	154	8.55	209	63.9	19.8	31.1	23.7	23.7
7-8 PM	1105	0.0	118	0.0	1500	1105	0	118	1.11	19	64.3	49.9	39.4	23.9	23.9
8-9 PM	807	0.0	86	0.0	1500	807	0	86	0.50	0	64.9	57.3	42.4	24.2	24.2
9-10 PM	577	0.0	62	0.0	1500	577	0	62	0.48	0	65.3	57.9	43.2	24.3	24.3
10-11 PM	391	0.0	42	0.0	1500	391	0	42	0.46	0	65.6	58.5	43.9	24.5	24.5
11PM-MID	239	0.0	26	0.0	1500	239	0	26	0.45	0	66.0	58.9	44.5	24.7	24.7

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0133
MAIN ROUTE WITH WORKS	0.0119
DIVERSION	0.0160

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$17,981
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 41: STH 60 TO USH 45 (WASHINGTON COUNTY)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: PIONEER RD - STH 175 - STH 164 - STH 60**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY NORTHBOUND DIRECTION**

